



# ESSA NEWS

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U.S. DEPARTMENT OF COMMERCE ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION

## ESSA Research Flight Facility Gets New Plane; Sophisticated Instruments Slated for WC-130B



A WC-130B has been turned over to ESSA's Research Flight Facility by the Air Force, replacing the C-54 formerly operated by the RFF. The aircraft will be ferried on October 1 from Warner Robins Air Force Base, Georgia, to Miami, Florida, where it will join the Facility's two DC-6's and WB-57 in environmental research projects. The WC-130B has a range of 3000 nautical miles, a normal cruising altitude of 18,000 feet, and a maximum operating altitude of 35,000 feet. Its equip-

ment includes dual dropsonde systems, a Johnson-Williams liquid water probe, foil air sampler, infrared hygrometer, and vortex temperature probe. A reconnaissance system now being developed by the Air Force will be added to the instrumentation later, and a sophisticated research package including an inertial platform, gust probes, and refractometers is being designed by the ESSA Research Laboratories for installation on the aircraft in FY 1972.

## Secretary Kicks Off 1970 Combined Federal Campaign



Secretary of Commerce Maurice H. Stans (left) sets Commerce Combined Federal Campaign in motion with a \$1050 personal check, which was accepted by Joseph A. Lola, Commerce Campaign Vice Chairman. Secretary Stans is Commerce Campaign Chairman.

## Central Wisconsin Airport Surveyed

An airport survey party, headed by Junior V. Teater, is conducting a field survey of Central Wisconsin Airport, Mosinee, Wisc.

## Heavner To Head Billings, Mont., WBO



Lloyd G. Heavner has been named meteorologist in charge of the Weather Bureau Office in Billings, Mont. He will assume the new position in mid-October. Mr. Heavner entered the Bureau at Pendleton, Oreg., in 1960, after receiving his discharge from the Air Force Air Weather Service. His experience includes meteorologist in charge at Pocatello, Idaho; principal assistant at Pendleton, Oreg.; and fire-weather forecaster at Billings, Mont. Mr. Heavner is a graduate of Montana State College and completed his studies in meteorology at Oklahoma State University.

## ITS Transferred to Commerce Office of Telecommunications

The Institute for Telecommunication Sciences and some ERL administrative personnel were transferred this week from the ESSA Research Laboratories to the Commerce Department's Office of Telecommunications, by a Department Order effective September 20. At the same time, the radio frequency management function of the Office of Telecommunications was transferred to ESSA as the Office of Radio Frequency Management under the Assistant Administrator for Administration and Technical Services.

The Commerce Office of Telecommunications has been elevated to the status of a new operating component within the Department, in order to meet a wide range of responsibilities for economic and social analysis as well as technical research in telecommunications. With its transfer to this Office, the Institute for Telecommunication Sciences is expected to broaden the scope of its programs, especially in systems analysis, engineering, measurement, and standards, and in topics on efficient use of the electrospace or electromagnetic spectrum. Heretofore, the Institute's efforts have been devoted primarily to research and technical services on the nature and prediction of electromagnetic wave propagation, on electromagnetic noise and interference, on specialized technology and system sciences for effective use of the various propagation media for telecommunications, and on related system standards and measurements. Richard C. Kirby will continue as director of the Institute for Telecommunication Sciences, and the staff of 225 will remain in Boulder.

Returning to ESSA under this reorganization is the Office of Radio Frequency Management, which was part of the agency from July 1965 until December 1967. The Office represents the Department of Commerce in all radio frequency matters, providing policy guidance and technical and administrative support in determining requirements and in the management and use of radio frequencies assigned to the Department. James Ogle, who has headed the Office since March of this year, was formerly Chief of the U.S. Air Force's Radio Frequency Management Office.

## United States and Mexican Governments Plan New Cooperative Weather Station

Mexico's National Meteorological Service and the Weather Bureau are cooperating in setting up a storm-warning weather station on Guadelupe Island in the Pacific Ocean off lower California. The proposed station is to make upper-air observations for early warnings of ocean-bred storms heading for Mexico and the southwestern United States. The two governments plan to share costs for the station on the Mexican-owned island. Under the plan, the U.S. is to provide instruments and other equipment for making upper-air observations and Mexico is to provide the main building for the station, personnel to man it, and transportation to and from the site by the Mexican Navy. A survey party was slated to visit Guadelupe late in September. Supplies and equipment are to be delivered late in November. The station is expected to be operational early in 1971.

## Indians Train at Jackson, Miss., WBO



Roy Lee Smith and Adolph Jimmie, two Choctaw Indians from the Philadelphia Indian Reservation in Mississippi, are Weather Bureau trainees under a pilot program between ESSA and the Bureau of Indian Affairs. Smith (left) and Jimmie (right) watch as James Blair, their instructor at the Jackson, Miss., Weather Bureau, demonstrates the operation of a theodolite which is used to track a pilot balloon in upper-air wind measurements. Jimmie and Smith are among eight American Indians receiving training for one year to enable them to take over Weather Bureau jobs.

## Dr. Reid Named Acting Director Of ERL's Aeronomy Laboratory



Dr. George C. Reid has been named acting director of ERL's Aeronomy Laboratory, Boulder, Colo., succeeding Dr. Michael Gadsden, who resigned to accept a post with Aberdeen University in Scotland.

Dr. Reid graduated from the University of Edinburgh in 1950 with first class honors in physics and received his Ph.D. there in 1954. After working in Canada and at the University of Alaska, he joined the Boulder Laboratories of the National Bureau of Standards in 1963 as consultant to the Upper Atmosphere and Space Physics Division. He became chief of the High-Altitude Ionospheric Physics Section in 1964. With the creation of ESSA, Dr. Reid was appointed assistant director for research of the Space Disturbances Laboratory in 1967. He was later assigned to the Theoretical Studies Group of ESSA's Research Laboratories.

Dr. Reid is a professor-adjoint in the Department of Astro-Geophysics at the University of Colorado, and is a member of the U.S. National Committee of the International Scientific Radio Union (URSI). He also holds memberships in U.S. Commissions III and IV of URSI and in the American Geophysical Union.

## Fire Prevention Week Begins October 4

President Nixon has designated the week beginning October 4, 1970, as Fire Prevention Week. In a proclamation, he called upon citizens, singly and as a nation, to actively support fire prevention; urged the news media to cooperate in promoting Fire Prevention Week as a prelude to year-round fire prevention efforts; and asked all Federal agencies to assist the national effort to reduce loss of life and property from fire. He also stated that one way we can all assist this effort is by the reduction and elimination of false fire alarms.

## Length-of-Service Awards

The following employees are eligible to receive length-of-service awards during the third quarter of 1970:

### Washington-Area

45 years - William Shofnos (C&GS). 40 years - Buford K. Meade, J. Malcolm Symons, and Charles A. Whitten (C&GS). 35 years - Bruce M. Benton, Max M. Chesy, and Helen R. Merriam (ret.), ADTECH; Leonard F. Caouette (C&GS); and Glenn J. Dyer (WB). 30 years - John L. Bowers, Lloyd L. Clay, Bernard R. Conroy, Edmund C. Duringer, Cecil F. Ellingwood, Odessa S. Scales, Ole K. Schmidt, and George V. J. Thomas (C&GS); Albert O. Schmitz, Rex B. Finley, and Curtis F. Kambic (C&GS; Thomas C. Council (Aviation Affairs); Lloyd R. Rhine, Charles B. Haegele, and George A. Krueger (WB); Ronald L. Viets (C&GS); James A. Dyson, Samuel Otlin, and Joseph A. Strahl (WB); John H. Eberly (Office of Administrator); Katherine Wallace (ADTECH); Gertrude A. Fricke (EDS); and Glenn R. Justema (NESC). 25 years - Catherine M. Allen, Carl Warren Au, Philip C. Domras, George M. Gartner, Romeo M. Hinton, Steven L. Hollis, Jr., Hellmut Schmid, and Claude E. Swaim (C&GS); Elbert W. Atkins, Williams Drewes, and Otis Payne (WB); Robert Chmielewski, Russell Doolittle (NESC); Milton G. Johnson (Office of Administrator); Joan Cook, Everett R. Horton, Alice A. Lyles, Charles J. Moore, and Emma L. Sharpe (ADTECH). 20 years -

Edith T. Albrittain, Charles H. Behne, and John J. Smiles (ADTECH); Oscar Chapman, William Fulty, Jr., Jack E. Guth, Irene M. Jackson, and Earl Nordquist (C&GS); Frederick G. Finger, William O. J. French, Charles T. Gadsden, C. H. Stanton Massey, and Excell R. Stallings (WB); Frederic Van Cliff (NESC).

### Weather Bureau Eastern Region

40 years - Ralph W. Carey, Cincinnati, Ohio, and Clayton L. Rock, Harrisburg, Pa. 30 years - Sam F. D. Duke, Wilmington, N.C.; Lucy M. Gunter (ret.) ERH; Charles Hopkins, Hartford, Conn.; Marvin L. Kempt, Cincinnati, Ohio; Philip Stone, New York; and Robert E. Lautzenheiser, Boston, Mass. 25 years - George Berger, N. Y.; John R. Clark, Harrisburg, Pa.; John A. Deere, Charlotte, N.C.; Gordon F. Driskell, Brunswick, Maine; Anne M. Elder, Wilmington, N.C.; Ross K. Gardner, Atlantic City, N. J.; Thomas Hostrander, Baltimore, Md.; George A. Mikulan, New York; Julius A. Rudy, Newark, N. J.; James E. Smith, Buffalo, N. Y.; DeRenne Whitlatch, Charleston, S.C.; George R. Wright, Buffalo, N. Y.; and Wilbur J. Moyer, College Park, Md. 20 years - Norman F. Cordes, Raleigh, N.C.; Dan Elliott, Cincinnati, Ohio; and Monte Glovinsky, Boston, Mass.

### National Climatic Center

40 years - Franklin W. Long. 30 years - Kenneth L. Hein.

## Thirty Years Served in Good Health



Carl A. Annis, chief of the Coast Survey's Geodetic Field Party G-16 has completed 30 years of federal service without using any sick leave. Mr. Annis has carried out field assignments in Alaska, Manitoba, Canada, Panama, Hawaii, and the conterminous United States.

## Alaska Increases State Tax

There will be a state tax increase for employees in Alaska, based on new tax information received from the state. This increase is effective in Pay Period Number 20, September 6-19, 1970. The new rates will be deducted from salary checks dated September 30, 1970.

## C.W. Inskip, WB Meteorologist, Dies

Charles W. Inskip, aviation services meteorologist at the Weather Bureau's Western Region headquarters, Salt Lake City, died September 12.

Items to be considered for ESSA NEWS must be received by Monday for publication the following Friday. Send material to: Office of Public Information, ESSA, Room 804, Bldg. 5, Rockville, Md. 20852. Phone (301) 496-8243.

# **National Oceanic and Atmospheric Administration**

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